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TECH CENTER 1600/2900

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/854,124

DATE: 12/13/2001

TIME: 15:12:07

Input Set : N:\paola\09854124.txt

Output Set: N:\CRF3\12132001\I854124.raw

ENTERED

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3 <110> APPLICANT: Williams, Lewis T.
4     Escobedo, Jaime
5     Innis, Michael A.
6     Garcia, Pablo Dominiguez
7     Sudduth-Klinger, Julie
8     Reinhard, Christoph
9     Giese, Klaus
10    Randazzo, Filippo
11    Kennedy, Giulia C.
12    Pot, David
13    Kassam, Altaf
14    Lamson, George
15    Drmanac, Radoje
16    Crkvenjakov, Radomir
17    Dickson, Mark
18    Drmanac, Snezana
19    Labat, Ivan
20    Leshkowitz, Dena
21    Kita, David
22    Garcia, Veronica
23    Jones, Lee William
24    Stache-Crain, Birgit
26 <120> TITLE OF INVENTION: Diagnostic and Therapeutic Methods Using
27    Molecules Differentially Expressed in Cancer Cells
30 <130> FILE REFERENCE: 2300-1490
32 <140> CURRENT APPLICATION NUMBER: 09/854,124
33 <141> CURRENT FILING DATE: 2001-05-10
35 <150> PRIOR APPLICATION NUMBER: 09/400,947
36 <151> PRIOR FILING DATE: 1999-09-22
38 <160> NUMBER OF SEQ ID NOS: 37
40 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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44 <212> TYPE: DNA
45 <213> ORGANISM: Homo sapiens
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49 gaggtcgagc cgggcagtgg ggtccgcata gtggtggagt actgtgaacc ctgcggcttc      120
50 gaggcgacct acctggagct ggccagtgcg gtgaaggagc agtatccggg catcgagatc      180
51 gagtcgcgcc tcgggggcac aggtgccttt gagatagaga taaatggaca gctggtgttc      240
52 tccaagctgg agaatggggg ctttccttat gagaaagatc tcattgaggc catccgaaga      300
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57 <212> TYPE: DNA
58 <213> ORGANISM: Homo sapiens
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61 catgtacagt agctatttcc tgatgaccaa atctctcaac gaatcatgtt attaataaat      60

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62 atttttagca ctcatcagta ttctccaatg tgaccttctc attggagtac acagaaggaa      120
63 agcaaagaag agcatctgac ttctagctct ggcttacagc ctctctacca ggccgaagca      180
64 agagacccgc ggcagcagct ccccgccact cagacctggg tggtgataac ctcaaagaat      240
65 ggctctgttt tctattgaca gaaaaccac ttgattttgc ttctgagtta gcagtcagaa      300
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68 <211> LENGTH: 300
69 <212> TYPE: DNA
70 <213> ORGANISM: Homo sapiens
72 <400> SEQUENCE: 3
73 atcgaatggc tttttgcagc taactactat gtgtagacag gttttatatt ataaagtatg      60
74 cattcttata acctagtata tagttagttt gtagagtgat ttccccccag ttctctgaac      120
75 atggtatctt cacatcttgg accttgggtca gttgtgctat tcattattaa aactaaaac      180
76 ttggcggtt cttgcataac attgtcagat tttttagtgt atttctgtga agtcattttt      240
77 ttctctgtca ttctttttgt agtagttgct gtttggataa aagttgatgt ggatttttta      300
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80 <211> LENGTH: 300
81 <212> TYPE: DNA
82 <213> ORGANISM: Homo sapiens
84 <400> SEQUENCE: 4
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86 tggccgagac tgaccccaag accgtgcagg acctcacctc ggtggtgcag acactcctgc      120
87 agcagatgca agataaattt cagaccatgt ctgaccagat cattgggaga attgatgata      180
88 tgagtagtgc cattgatgat ctggaaaaga atatcgcgga cctcatgaca caggctggg      240
89 tggagaact ggaaagtga aacaagatac ctgccacgca aaagagttga aggttgctaa      300
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92 <211> LENGTH: 300
93 <212> TYPE: DNA
94 <213> ORGANISM: Homo sapiens
96 <400> SEQUENCE: 5
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98 ctgctgacag ctttgtgaga cagcaggagg cacatgccaa gctggataac ttgacctga      120
99 tggagatcaa caccagcggg actttcctca cacaagcgt caaccacatg tacaaactcc      180
100 gcacgaacct ccagcctctg gagagtactc agtctcagga cttctagaga aaggcctggt      240
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109 <400> SEQUENCE: 6
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111 ggtcgaattc ctgcgcgaga aggagctggt taccattatc cccaacttca gtctggacaa      120
112 gatctacctc atcggggggg acctggggcc ttttaacctt ggtttaccgg tggaagtgcc      180
113 cctgtggctg gcgattaacc tgaaacaaag acagaaatgt cgctgtctcc ctccagagt      240
114 gatggatgta gaaaagttgg agaagatgag ggatcatgaa cgaaaggaag aaacttttac      300
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119 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 7

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122 atcatgcttc agacaacatc ccgaaggcag acgaaatccg gaccctgggc aaggatatgt      60
123 gggacactcg tatagccaaa ctccgagtgt ctgctgacag ctttgtgaga cagcaggagg      120
124 cacatgccaa gctggataac ttgacctga tggagatcaa caccagcggg actttcctca      180
125 cacaagcgct caaccacatg tacaaactcc gcacgaacct ccagcctctg gaaagacctc      240
126 agctaggact tctaaaaaag gcctggtgca gccgcttggt tggggattaa cccttcagac      300
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129 <211> LENGTH: 300
130 <212> TYPE: DNA
131 <213> ORGANISM: Homo sapiens
133 <400> SEQUENCE: 8
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135 gtccaggcag ctggaacaga tagacactgt gtgacatttg tattgcacga ggaagaccat      120
136 accctaggaa attctctacg ttacatgatc atgaagaacc cggaagtgga attttgtggt      180
137 tacactacga cccatccttc agagagcaaa attaatttac gcattcagac tcgaggtacc      240
138 cttccagctg ttgagccatt tcagagagggc ctgaatgagc tcatgaatgt ctgccaacat      300
140 <210> SEQ ID NO: 9
141 <211> LENGTH: 300
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapiens
145 <220> FEATURE:
146 <221> NAME/KEY: misc_feature
147 <222> LOCATION: (1)...(300)
148 <223> OTHER INFORMATION: n = A,T,C or G
150 <400> SEQUENCE: 9
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W--> 152 tcttanaagt attttgtttt tggatgtgtg aatgtgcata gttcttaaag tccaacattc      120
W--> 153 atgtaataag acatcttgca tataacaatg acccttacgt cnaagatgtn aaatagatcc      180
154 taagcctggt ataactttat tcaagtatcc ttatttgccc ctaaaatgtc tttaatcacac      240
W--> 155 attacttggg ttatttcctg gatgaacatn caggtatccc aatttctgtt ttttaagagaa      300
157 <210> SEQ ID NO: 10
158 <211> LENGTH: 300
159 <212> TYPE: DNA
160 <213> ORGANISM: Homo sapiens
163 <400> SEQUENCE: 10
164 gtgtgtgggg ggggttccca gatattcagg gcaagggacc agtcggaagg gattctggct      60
165 attgggggag cccagagaca ggggaaggca gcctgtccat ctgtgcataa ggagaggaaa      120
166 gttccagggt gtgtatgttt caggggcttc acatggagga gctgcagata gatatgtgtt      180
167 tctgtgtatg tgtatgtctg cttttttttc taagtggggg cttctacagg cttttgggaa      240
168 gtagggtgga tgtgggtagg gctgggagga gggggccaca gcttaagttt ggagctctgg      300
170 <210> SEQ ID NO: 11
171 <211> LENGTH: 300
172 <212> TYPE: DNA
173 <213> ORGANISM: Homo sapiens
175 <400> SEQUENCE: 11
176 atctctttga gcaatcgtct taatttcctt gtcgtcacca attatcataa ccaattatca      60
177 togtaaagga tggtaattcc ttttaattata cccaccttaa aaacatgatt ctgttccaca      120
178 aacgaaagga gcacatcaga gatgccttca gttctgtgtg cttgaacttt gaattccatg      180
179 aattatagtt gcactgaggg gagaatcctg tttccatcct cctggttcct tctccctttc      240
180 ctgtccccat gtttctctga ggcctggcaa tgctctctgg atacttggtg agtagcccag      300

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Input Set : N:\paola\09854124.txt

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187 <400> SEQUENCE: 12
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189 aacaccaccc cacatgtgcc ggctgaggga cctgagctta tttgaagtcc tgccctattc 120
190 tcaactggagc ctcagtctct cctgcttggt cttggccctc aactggggca agtgaagcca 180
191 gaggagggtc cccagctggg gtgggctgga atggaactcc tcaactagctg ctggggctcc 240
192 gccaccctg ctccttccg gacaatgaag aagcctttgc accctgggag gaaggaccac 300
194 <210> SEQ ID NO: 13
195 <211> LENGTH: 300
196 <212> TYPE: DNA
197 <213> ORGANISM: Homo sapiens
199 <400> SEQUENCE: 13
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201 cgagcagtgg ccatcccat gcctctgacc tccaccgacc tctgcccacc atgggttgga 120
202 actaaactgt taccttccct cgtccacag aagaagacag ccagcttcag ggtccctgt 180
203 gctggccaag ccagtgaacc tgcggggagg ctggtccaag gagaaagtgg accagctccc 240
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207 <211> LENGTH: 300
208 <212> TYPE: DNA
209 <213> ORGANISM: Homo sapiens
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212 <221> NAME/KEY: misc_feature
213 <222> LOCATION: (1)...(300)
214 <223> OTHER INFORMATION: n = A,T,C or G
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W--> 220 aagatgccc gaccctgagg aangccatga aagggtcgg caccgatgaa nacgccatta 180
W--> 221 ttancgtcct tgctaccgc atcaccgcc agcgccagga gatcaggaca gcctacaaga 240
W--> 222 gcaccatcg canggacttg atagacgacc tgaagtcana actgagtggc aacttcgagc 300
224 <210> SEQ ID NO: 15
225 <211> LENGTH: 300
226 <212> TYPE: DNA
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229 <400> SEQUENCE: 15
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231 agaagatccc ggcgggagga agcccaagtg tcaattgaat tccaccaag gagcgggcgc 120
232 ctgggatcag agcgtcctgt ttagcaataa cggctggagc acgtcctaca agttacggga 180
233 gagtcggctg tgaaggagac gtctgcttat cccctgtgtc cccgctcctg gccctccag 240
234 accccagcct tgctcgcgc tgggagggga gatccagaat gaaaggcaag aaaggtattg 300
236 <210> SEQ ID NO: 16
237 <211> LENGTH: 300
238 <212> TYPE: DNA
239 <213> ORGANISM: Homo sapiens
241 <400> SEQUENCE: 16

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TIME: 15:12:07

Input Set : N:\paola\09854124.txt

Output Set: N:\CRF3\12132001\I854124.raw

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242 aattccggtt ctgtcgcaga ggctgggac atggtagatg gaacctcctc ttactcctc      60
243 tcggaggccc tggcccttac ccagacctgg gcgggctccc actccttgaa gtatttccac      120
244 acttccgtgt cccggcccgg ccgcggggag ccccgcttca tctctgtggg ctacgtggac      180
245 gacacccagt tcgtgcgctt cgacaacgac gccgcgagtc cgaggatggt gccgcgggcg      240
246 ccgtggatgg agcaggaggg gtcagagtat tgggaccggg agacaaggag cgcagggaca      300
248 <210> SEQ ID NO: 17
249 <211> LENGTH: 300
250 <212> TYPE: DNA
251 <213> ORGANISM: Homo sapiens
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254 ctctgaccat gaggccaccc tgaggtgctg ggccctgggc ttctaccctg cggagatcac      60
255 actgacctgg cagcaggatg gggagggcca taccaggac acggagctcg tggagaccag      120
256 gcctgcaggg gatggaacct tccagaagtg ggcagctgtg gtggtgcctt ctggagagga      180
257 gcagagatac acgtgccatg tgcagcatga ggggctaccc gagcccgtca ccctgagatg      240
258 gaagccggtt tcccagccca ccatcccatc cgtgggcata attgctggcc tggttctcct      300
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267 caccogtggg aagtacaggt cctgacagct gggctccctga tgggcctggg tgacattatc      120
268 tcacagcagc tgggtggagag gcggggtctg caggaacacc agagaggccg gactctgacc      180
269 atggtgtccc tgggtgtgtg ctttgtgggc cctgtggtag gaggctggta caaggttttg      240
270 gatcggttca tccctggcac caccaaagtg gatgcactga agaagatggt gttggatcag      300
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273 <211> LENGTH: 300
274 <212> TYPE: DNA
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277 <400> SEQUENCE: 19
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280 gaagcaactat ggcattgggt gggtcagcat ggccaacgct gggcctgaca ccaatggctc      180
281 tcagttcttt atcaccttga ccaagcccac ctggttggac ggcaaacatg tgggtgtttg      240
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291 ggaaaatttt gttgctctag caacaggaga gaaaggatat ggaataaaag gaagcaagtt      120
292 tcacgtgttc atcaaggatt tcatgattca aggaggtgac atcaccactg gagatggcac      180
293 tgggggtgtg agcatctatg gtgagacatt tccagatgag aacttcaagc tgaagcacta      240
294 tggcattggg tgggtcagca tggccaacgc tgggcctgac accaatggct ctcagttctt      300
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297 <211> LENGTH: 300
298 <212> TYPE: DNA
299 <213> ORGANISM: Homo sapiens

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/854,124

DATE: 12/13/2001

TIME: 15:12:08

Input Set : N:\paola\09854124.txt

Output Set: N:\CRF3\12132001\I854124.raw

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L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37